<u>RAW SEQUENCE LISTING</u>

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ *10/594,851* _____
Source: _____ *JFWP* _____
Date Processed by STIC: _____ *10/12/2006* _____

ENTERED

IFWP

RAW SEQUENCE LISTING   DATE: 10/12/2006
PATENT APPLICATION: **US/10/594,851**   TIME: 13:53:21

Input Set : **E:\SEQLIST.txt**
Output Set: **N:\CRF4\10122006\J594851.raw**

```
    4 <110> APPLICANT: CHENEVAL, Dominique
    5        KASTELIC, Tania
    6        Novation Pharmaceuticals Inc.
    9 <120> TITLE OF INVENTION: Assay for Identifying Compounds Which
   10        Affect Stability of mRNA
   13 <130> FILE REFERENCE: 793-104PCT2
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/594,851
C--> 16 <141> CURRENT FILING DATE: 2006-09-29
   18 <150> PRIOR APPLICATION NUMBER: US 10/814,634
   19 <151> PRIOR FILING DATE: 2004-04-01
   21 <160> NUMBER OF SEQ ID NOS: 30
   23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
   25 <210> SEQ ID NO: 1
   26 <211> LENGTH: 1105
   27 <212> TYPE: DNA
   28 <213> ORGANISM: Homo Sapiens
   30 <400> SEQUENCE: 1
   31 gcggccgcca cagcagcctc tgaagttgga cagcaaaacc attgcttcac tacccatcgg 60
   32 tgtccattta tagaataatg tgggaagaaa caaacccgtt ttatgattta ctcattatcg 120
   33 ccttttgaca gctgtgctgt aacacaagta gatgcctgaa cttgaattaa tccacacatc 180
   34 agtaatgtat tctatctctc tttacatttt ggtctctata ctacattatt aatgggtttt 240
   35 gtgtactgta aagaatttag ctgtatcaaa ctagtgcatg aatagattct ctcctgatta 300
   36 tttatcacat agccccttag ccagttgtat attattcttg tggtttgtga cccaattaag 360
   37 tcctacttta catatgcttt aagaatcgat gggggatgct tcatgtgaac gtgggagttc 420
   38 agctgcttct cttgcctaag tattcctttc ctgatcacta tgcattttaa agttaaacat 480
   39 ttttaagtat ttcagatgct ttagagagat tttttttttcc atgactgcat tttactgtac 540
   40 agattgctgc ttctgctata tttgtgatat aggaattaag aggatacaca cgtttgtttc 600
   41 ttcgtgcctg ttttatgtgc acacattagg cattgagact tcaagctttt cttttttttgt 660
   42 ccacgtatct ttgggtcttt gataaagaaa agaatccctg ttcattgtaa gcacttttac 720
   43 ggggcgggtg gggaggggtg ctctgctggt cttcaattac caagaattct ccaaaacaat 780
   44 tttctgcagg atgattgtac agaatcattg cttatgacat gatcgctttc tacactgtat 840
   45 tacataaata aattaaataa aataaccccg ggcaagactt ttctttgaag gatgactaca 900
   46 gacattaaat aatcgaagta attttgggtg gggagaagag gcagattcaa ttttctttaa 960
   47 ccagtctgaa gtttcattta tgatacaaaa gaagatgaaa atggaagtgg caatataagg 1020
   48 ggatgaggaa ggcatgcctg gacaaaccct tcttttaaga tgtgtcttca atttgtataa 1080
   49 aatggtgttt tcatgtagcg gccgc                                       1105
   51 <210> SEQ ID NO: 2
   52 <211> LENGTH: 904
   53 <212> TYPE: DNA
   54 <213> ORGANISM: Homo Sapiens
   56 <400> SEQUENCE: 2
   57 gcggccgctg aagtcaacat gcctgcccca aacaaatatg caaaaggttc actaaagcag 60
   58 tagaaataat atgcattgtc agtgatgtac catgaaacaa agctgcaggc tgtttaagaa 120
```

RAW SEQUENCE LISTING   DATE: 10/12/2006
PATENT APPLICATION: US/10/594,851   TIME: 13:53:21

Input Set : **E:\SEQLIST.txt**
Output Set: **N:\CRF4\10122006\J594851.raw**

```
59 aaaataacac acatataaac atcacacaca cagacagaca cacacacaca caacaattaa 180
60 cagtcttcag gcaaaacgtc gaatcagcta tttactgcca aagggaaata tcatttattt 240
61 tttacattat taagaaaaaa agatttattt atttaagaca gtcccatcaa aactcctgtc 300
62 tttggaaatc cgaccactaa ttgccaagca ccgcttcgtg tggctccacc tggatgttct 360
63 gtgcctgtaa acatagattc gctttccatg ttgttggccg gatcaccatc tgaagagcag 420
64 acggatggaa aaaggacctg atcattgggg aagctggctt tctggctgct ggaggctggg 480
65 gagaaggtgt tcattcactt gcatttcttt gccctggggg ctgtgatatt aacagaggga 540
66 gggttcctgt ggggggaagt ccatgcctcc ctggcctgaa gaagagactc tttgcatatg 600
67 actcacatga tgcatacctg gtgggaggaa aagagttggg aacttcagat ggacctagta 660
68 cccactgaga tttccacgcc gaaggacagc gatgggaaaa atgcccttaa atcataggaa 720
69 agtatttttt taagctacca attgtgccga gaaaagcatt ttagcaattt atacaatatc 780
70 atccagtacc ttaagccctg attgtgtata ttcatatatt ttggatacgc accccccaac 840
71 tcccaatact ggctctgtct gagtaagaaa cagaatcctc tggaacttga ggaagtgcgg 900
72 ccgc                                                           904
74 <210> SEQ ID NO: 3
75 <211> LENGTH: 710
76 <212> TYPE: DNA
77 <213> ORGANISM: Homo Sapiens
79 <400> SEQUENCE: 3
80 gcggccgctg aagtcaacat gcctgcccca aacaaatatg caaaaggttc actaaagcag 60
81 tagaaataat atgcattgtc agtgatgtac catgaaacaa agctgcaggc tgtttaagaa 120
82 aaaataacac acatataaac atcacacaca cagacagaca cacacacaca caacaattaa 180
83 cagtcttcag gcaaaacgtc gaatcagcta tttactgcca aagggaaata tcatttattt 240
84 tttacattat taagaaaaaa agatttattt atttaagaca gtcccatcaa aactcctgtc 300
85 tttggaaatc cgaccactaa ttgccaagca ccgcttcgtg tggctccacc tggatgttct 360
86 gtgcctgtaa acatagattc gctttccatg ttgttggccg gatcaccatc tgaagagcag 420
87 acggatggaa aaaggacctg atcattgggg aagctggctt tctggctgct ggaggctggg 480
88 gagaaggtgt tcattcactt gcatttcttt gccctggggg ctgtgatatt aacagaggga 540
89 gggttcctgt ggggggaagt ccatgcctcc ctggcctgaa gaagagactc tttgcatatg 600
90 actcacatga tgcatacctg gtgggaggaa aagagttggg aacttcagat ggacctagta 660
91 cccactgaga tttccacgcc gaaggacagc gatgggaaaa atgcggccgc            710
93 <210> SEQ ID NO: 4
94 <211> LENGTH: 688
95 <212> TYPE: DNA
96 <213> ORGANISM: Homo Sapiens
98 <400> SEQUENCE: 4
99 gcggccgctc ggagcttttt tgccctgcgt gaccagatcc cggagttgga aaacaatgaa 60
100 aaggccccca aggtagttat ccttaaaaaa gccacagcat acatcctgtc cgtccaagca 120
101 gaggagcaaa agctcatttc tgaagaggac ttgttgcgga aacgacgaga acagttgaaa 180
102 cacaaacttg aacagctacg gaactcttgt gcgtaaggaa aagtaaggaa aacgattcct 240
103 tctgacagaa atgtcctgag caatcaccta tgaacttgtt tcaaatgcat gatcaaatgc 300
104 aacctcacaa ccttggctga gtcttgagac tgaaagattt agccataatg taaactgcct 360
105 caaattggac tttgggcata aaagaacttt tttatgctta ccatcttttt tttttcttta 420
106 acagatttgt atttaagaat tgttttaaa aaattttaag atttacacaa tgtttctctg 480
107 taaatattgc cattaaatgt aaataacttt aataaaacgt ttatagcagt tacacagaat 540
108 ttcaatccta gtatatagta cctagtatta taggtactat aaaccctaat ttttttatt 600
109 taagtacatt ttgcttttta aagttgattt ttttctattg ttttttagaaa aaataaaata 660
110 actggcaaat atatcattga gccatatg                                   688
112 <210> SEQ ID NO: 5
```

RAW SEQUENCE LISTING   DATE: 10/12/2006
PATENT APPLICATION: US/10/594,851   TIME: 13:53:21

Input Set : E:\SEQLIST.txt
Output Set: N:\CRF4\10122006\J594851.raw

```
113 <211> LENGTH: 806
114 <212> TYPE: DNA
115 <213> ORGANISM: Homo Sapiens
117 <400> SEQUENCE: 5
118 gcggccgctg aggaggacga acatccaacc ttcccaaacg cctcccctgc cccaatccct 60
119 ttattacccc ctccttcaga caccctcaac ctcttctggc tcaaaaagag aattgggggc 120
120 ttagggtcgg aacccaagct tagaacttta agcaacaaga ccaccacttc gaaacctggg 180
121 attcaggaat gtgtggcctg cacagtgaag tgctggcaac cactaagaat tcaaactggg 240
122 gcctccagaa ctcactgggg cctacagctt tgatccctga catctggaat ctggagacca 300
123 gggagccttt ggttctggcc agaatgctgc aggacttgag aagacctcac ctagaaattg 360
124 acacaagtgg accttaggcc ttcctctctc cagatgtttc cagacttcct tgagacacgg 420
125 agcccagccc tccccatgga gccagctccc tctatttatg tttgcacttg tgattattta 480
126 ttatttattt attatttatt tatttacaga tgaatgtatt tatttgggag accggggtat 540
127 cctgggggac ccaatgtagg agctgccttg gctcagacat gttttccgtg aaaacggagc 600
128 tgaacaatag gctgttccca tgtagccccc tggcctctgt gccttctttt gattatgttt 660
129 tttaaaatat ttatctgatt aagttgtcta aacaatgctg atttggtgac caactgtcac 720
130 tcattgctga gcctctgctc cccaggggag ttgtgtctgt aatcgcccta ctattcagtg 780
131 gcgagaaata aagtttgctt catatg                                    806
133 <210> SEQ ID NO: 6
134 <211> LENGTH: 613
135 <212> TYPE: DNA
136 <213> ORGANISM: Homo Sapiens
138 <400> SEQUENCE: 6
139 gcggccgcta aagagagctg tacccagaga gtcctgtgct gaatgtggac tcaatcccta 60
140 gggctggcag aaagggaaca gaaaggtttt tgagtacggc tatagcctgg actttcctgt 120
141 tgtctacacc aatgcccaac tgcctgcctt agggtagtgc taagaggatc tcctgtccat 180
142 cagccaggac agtcagctct ctcctttcag ggccaatccc cagccctttt gttgagccag 240
143 gcctctctca cctctcctac tcacttaaag cccgcctgac agaaaccacg gccacatttg 300
144 gttctaagaa accctctgtc attcgctccc acattctgat gagcaaccgc ttccctattt 360
145 atttatttat ttgtttgttt gttttattca ttggtctaat ttattcaaag ggggcaagaa 420
146 gtagcagtgt ctgtaaaaga gcctagtttt taatagctat ggaatcaatt caatttggac 480
147 tggtgtgctc tctttaaatc aagtccttta attaagactg aaaatatata agctcagatt 540
148 atttaaatgg gaatatttat aaatgagcaa atatcatact gttcaatggt tctgaaataa 600
149 acttcaccat atg                                                   613
151 <210> SEQ ID NO: 7
152 <211> LENGTH: 1101
153 <212> TYPE: DNA
154 <213> ORGANISM: Homo Sapiens
156 <400> SEQUENCE: 7
157 gcggccgcat tgctgtgctt tggggattcc ctccacatgc tgcacgcgca tctcgccccc 60
158 aggggcactg cctggaagat tcaggagcct gggcggcctt cgcttactct cacctgcttc 120
159 tgagttgccc aggaggccac tggcagatgt cccggcgaag agaagagaca cattgttgga 180
160 agaagcagcc catgacagct ccccttcctg ggactcgccc tcatcctctt cctgctcccc 240
161 ttcctggggt gcagcctaaa aggacctatg tcctcacacc attgaaacca ctagttctgt 300
162 ccccccagga gacctggttg tgtgtgtgtg agtggttgac cttcctccat cccctggtcc 360
163 ttcccttccc ttcccgaggc acagagagac agggcaggat ccacgtgccc attgtggagg 420
164 cagagaaaag agaaagtgtt ttatatacgg tacttattta atatcccttt ttaattagaa 480
165 attaaaacag ttaatttaat taaagagtag ggtttttttt cagtattctt ggttaatatt 540
166 taatttcaac tatttatgag atgtatcttt tgctctctct tgctctctta tttgtaccgg 600
```

RAW SEQUENCE LISTING   DATE: 10/12/2006
PATENT APPLICATION: US/10/594,851   TIME: 13:53:21

Input Set : E:\SEQLIST.txt
Output Set: N:\CRF4\10122006\J594851.raw

```
167 tttttgtata taaaattcat gtttccaatc tctctctccc tgatcggtga cagtcactag 660
168 cttatcttga acagatattt aattttgcta acactcagct ctgccctccc cgatcccctg 720
169 gctccccagc acacattcct ttgaaataag gtttcaatat acatctacat actatatata 780
170 tatatttggc aacttgtatt tgtgtgtata tatatatata tatgtttatg tatatatgtg 840
171 attctgataa aatagacatt gctattctgt tttttatatg taaaaacaaa acaagaaaaa 900
172 atagagaatt ctacatacta aatctctctc cttttttaat tttaatattt gttatcattt 960
173 atttattggt gctactgttt atccgtaata attgtgggga aaagatatta acatcacgtc 1020
174 tttgtctcta gtgcagtttt tcgagatatt ccgtagtaca tatttatttt taaacaacga 1080
175 caaagaaata cagaacatat g                                          1101
177 <210> SEQ ID NO: 8
178 <211> LENGTH: 168
179 <212> TYPE: DNA
180 <213> ORGANISM: Homo Sapiens
182 <400> SEQUENCE: 8
183 gcggccgcat tcctgtagac acacccaccc acatacatac atttatatat atatatatta 60
184 tatatatata aaaataaaata tctctatttt atatatataa aatatatata ttcttttttt 120
185 aaattaacag tgctaatgtt attggtgtct tcactggatg aacatatg             168
187 <210> SEQ ID NO: 9
188 <211> LENGTH: 33
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: oligonucleotide primer
195 <400> SEQUENCE: 9
196 ttgcggccgc tacatgaaaa caccatttta tac                              33
198 <210> SEQ ID NO: 10
199 <211> LENGTH: 30
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: oligonucleotide primer
206 <400> SEQUENCE: 10
207 tgcggccgcc acagcagcct ctgaagttgg                                  30
209 <210> SEQ ID NO: 11
210 <211> LENGTH: 29
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: oligonucleotide primer
217 <400> SEQUENCE: 11
218 agcggccgca cttcctcaag ttccagagg                                   29
220 <210> SEQ ID NO: 12
221 <211> LENGTH: 28
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: oligonucleotide primer
228 <400> SEQUENCE: 12
229 agcggccgct gaagtcaaca tgcctgcc                                    28
```

RAW SEQUENCE LISTING   DATE: 10/12/2006
PATENT APPLICATION: US/10/594,851   TIME: 13:53:21

Input Set : **E:\SEQLIST.txt**
Output Set: **N:\CRF4\10122006\J594851.raw**

```
231 <210> SEQ ID NO: 13
232 <211> LENGTH: 28
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: oligonucleotide primer
239 <400> SEQUENCE: 13
240 agcggccgca tttttcccat cgctgtcc                                    28
242 <210> SEQ ID NO: 14
243 <211> LENGTH: 28
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: oligonucleotide primer
250 <400> SEQUENCE: 14
251 ccatatggct caatgatata tttgccag                                    28
253 <210> SEQ ID NO: 15
254 <211> LENGTH: 32
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: oligonucleotide primer
261 <400> SEQUENCE: 15
262 agcggccgct cggagctttt ttgccctgcg tg                               32
264 <210> SEQ ID NO: 16
265 <211> LENGTH: 28
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: oligonucleotide primer
272 <400> SEQUENCE: 16
273 ccatatgaag caaactttat ttctcgcc                                    28
275 <210> SEQ ID NO: 17
276 <211> LENGTH: 31
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: oligonucleotide primer
283 <400> SEQUENCE: 17
284 agcggccgct gaggaggacg aacatccaac c                                31
286 <210> SEQ ID NO: 18
287 <211> LENGTH: 27
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: oligonucleotide primer
294 <400> SEQUENCE: 18
295 ccatatggtg aagtttattt cagaacc                                     27
297 <210> SEQ ID NO: 19
```

VERIFICATION SUMMARY   DATE: 10/12/2006
PATENT APPLICATION: US/10/594,851   TIME: 13:53:22

Input Set : **E:\SEQLIST.txt**
Output Set: **N:\CRF4\10122006\J594851.raw**

L:15 M:270 C: Current Application Number differs, Replaced Current Application
Number
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date